

TRANSMITTAL FORM

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Total Number of Pages in This Submission	Application No.	10/804,968
	Filing Date	March 18, 2004
	First Named Inventor	Christie G. Enke
	Examiner Name	Unknown
	Group Art Unit	Unknown
Attorney Docket No.		34113/AJT (474430-1)

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm or Individual name	Aldo J. Test, Reg. No. 18,048 DORSEY & WHITNEY LLP 4 Embarcadero Center, Suite 3400 San Francisco, CA 94111 Telephone : 415 781 1989	Customer Number 32940
Signature		
Date	May 13, 2004	

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		May 13, 2004	



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application Of:)	
)	
Christie G. Enke)	Group Art Unit: Unknown
)	
Application Number: 10/804,968)	Examiner: Unknown
)	
Filed: March 18, 2004)	
)	
For: Distance of Flight Spectrometer for)	
MS and Simultaneous Scanless		
MS/MS		

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. §§ 1.97 and 1.98, and in compliance with the duty of disclosure set forth in 37 C.F.R. § 1.56, applicants are submitting herewith copies of the references listed on the attached Form PTO-1449 (modified) for consideration and to be made of record herein by the U.S. Patent and Trademark Office in the above-captioned application.

In accordance with 37 C.F.R. § 1.97(b), [this Information Disclosure Statement is believed to be submitted prior to issuance of a first Office Action [and within three months of the filing date of the application]], [and (e), this Information Disclosure Statement is believed to be submitted prior to issuance of a first Office Action, and within three months of the date of the corresponding Search Report.]. Therefore, it is respectfully submitted that no fee is required for consideration of this information. However, in the event any fee is deemed necessary, the Commissioner is authorized to charge the undersigned's Deposit Account No. 50-2319.

In the event any variance exists between the amount enclosed and the Patent Office charges, please charge or credit any difference to the undersigned's Deposit Account No. 50-2319.

Respectfully submitted,

DORSEY & WHITNEY LLP

Dated:

Customer Number: 32940

Dorsey & Whitney LLP

Intellectual Property Department.

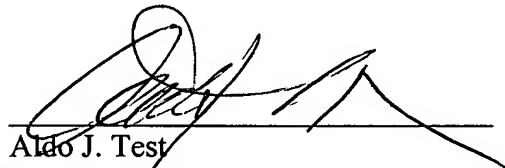
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By:


Aldo J. Test
Registration No. 18,048



Substitute for form 1449A/PTO (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	10/804,968
				Filing Date	March 18, 2004
				First Named Inventor	ENKE
				Art Unit	To be assigned
				Examiner Name	To be assigned
Sheet	1	of	2	Attorney Docket Number	34113/AJT (474430-1)

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1	4,818,862	04/04/1989	Conzemius	
	A2	5,015,848	05/14/1991	Bomse et al.	
	A3	5,464,985	11/07/1995	Cornish et al.	
	A4	5,576,540	11/19/1996	Jolliffe	
	A5	6,011,259	01/04/2000	Whitehouse et al.	
	A6	US 6,504,148 B1	01/07/2003	Hager	
	A7	US 6,507,019 B2	01/14/2003	Chernushevish et al	
	A8	US 2003/0197121 A1	10/23/2003	Turecek et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.	Foreign Patent Document Country Code* Number* Kind Code ^s (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ^d
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NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ⁶
	C1	Igor V. CHERNUSHEVICH, Werner ENS, Kenneth G. STANDING, "Orthogonal", Analytical Chemistry News & Features, July 1, 1999, pp. 452-461			
	C2	R.J. CONZEMIUS, H.J. SVEC, "A New Concept for Characterizing Peptides and Proteins Using a Modified Mass Spectrometric Approach", International Journal of Mass Spectrometry and Ion Processes, 103 (1990), pp. 57-66.			
	C3	Robert J. COTTER, "The New Time-of-Flight Mass Spectrometry", Analytical Chemistry News & Features, July 1, 1999, pp. 445-451.			
	C4	Ziqiang GUAN, Neil L. KELLEHER, Peter B. O'CONNOR, David J. AASERUD, Daniel P. LITTLE, Fred W. MCLAFFERTY, "193 nm Photodissociation of Larger Multiply-Charged Biomolecules", International Journal of Mass Spectrometry and Ion Processes 157/158 (1996), pp. 357-364.			
	C5	Fred W. MCLAFFERTY, "Tandem Mass Spectrometry", 6 pages.			
	C6	W. J. VAN DER HART, "Studies of Ion Structures by Photodissociation", International Journal of Mass Spectrometry and Ion Processes", 118/119 (1992), pp. 617-633.			
	C7	C.W. VAN FONG, "Phase Space Dynamics in a Linear RFQ Trap for Time-of-Flight Mass Spectrometry", Department of Physics, McGill University, Montreal, Canada, 161 pages.			
	C8	James H. BARNES IV, Gary M. HIEFTJE, M. Bonner DENTON, Roger SPERLINE, David W. KOPPENAAAL, Charles BARINAGA, "A Mass Spectrometry Detector Array That Provides Truly Simultaneous Detection", American Laboratory, October 2003, pp. 15-22.			
	C9	V.D. BERKOUT, R.J. COTTER, D.P. SEGERS, "Miniaturized EI/Q/oa TOF Mass Spectrometer", J Am Soc Mass Spectrom 2001, 12, pp. 641-647.			

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English Language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the complete application form to the USPTO. Time will vary depending on the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Sheet	2	of	2	Attorney Docket Number	34113/AJT (474430-1)

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite ¹ No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
	C10	Vladimir M. DOROSHENKO, Robert J. COTTER, "Ideal Velocity Focusing in a Reflectron Time-of-Flight Mass Spectrometer", J Am Soc Mass Spectrom 1999, 10, pp. 992-999. ✓		
	C11	Mary E. GIMON-KINSEL, Gary R. KINSEL, Ricky D. EDMONDSON, David H. RUSSELL, "Photodissociation of High Molecular Weight Peptides and Proteins in a Two-Stage Linear Time-Of-Flight Mass Spectrometer", J Am Soc Mass Spectrom 1995, 6, pp. 578-587. ✓		
	C12	Slava V. KOVTOUN, Robert J. COTTER, "Mass-Related Pulsed Extraction: Theoretical Analysis and Implementation with a Linear Matrix-Assisted Laser Desorption/Ionization Time of Flight Mass Spectrometer", J Am Soc Mass Spectrom 2000, 11, pp. 841-853. ✓		
	C13	Daniel P. LITTLE, J. Paul SPEIR, Michael W. SENKO, Peter B. O'CONNOR, Fred W. MCLAFFERTY, "Infrared Multiphoton Dissociation of Large Multiply Charged Ions for Biomolecule Sequencing", Anal. Chem. 1994, 66, pp. 2809-2815. ✓		
	C14	Anne H. PAYNE, Gary L. GLISH, "Thermally Assisted Infrared Multiphoton Photodissociation in a Quadrupole Ion Trap", Anal. Chem. 2001, 73, pp. 3542-3548. ✓		
	C15	William D. PRICE, Paul D. SCHNIER, and Evan R. WILLIAMS, "Tandem Mass Spectrometry of Large Biomolecule Ions by Blackbody Infrared Radiative Dissociation", Anal. Chem. 1996, 68, pp. 859-866. ✓		
	C16	Stilianos G. ROUSSIS, "Automated Tandem Mass Spectrometry by Orthogonal Acceleration TOF Data Acquisition and Simultaneous Magnet Scanning for the Characterization of Petroleum Mixtures", Anal. Chem. 2001, 73, pp. 3611-3623. ✓		
	C17	James L. STEPHENSON, Jr., Matthew M. BOOTH, Joseph A. SHALOSKY, John R. EYLER, Richard A. YOST, "Infrared Multiple Photon Dissociation in the Quadrupole Ion Trap Via a Multipass Optical Arrangement", J Am Soc Mass Spectrom 1994, 5, pp. 886-893. ✓		

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